

# *Abstract Submission Opens August 20!*

## **257<sup>th</sup> ACS National Meeting**

**Orlando, FL • March 31 – April 4, 2019**

Submit abstracts to Division of Environmental Chemistry at <https://maps.acs.org>

### **Division of Environmental Chemistry Program**

**Program Chair: Sherine Obare**

#### **Thematic: Chemistry of New Frontiers**

##### **Combined Biological-Chemical Reactions for Contaminant Transformation**

*Symposium Organizers:* Kevin Finneran, Song Jin, Jens Blotevogel

##### **Emerging Issues on the Horizon in Technologies for Water Disinfection**

*Symposium Organizers:* Xing Xie, Navid Saleh

##### **Micro- & Nano-Plastics in the Environment: Detection, Characterization, Fate & Impact**

*Symposium Organizers:* Souhail Al-Abed, Phillip Porter, Mirander Gallagher

##### **Opioids & Their Impact on the Environment**

*Symposium Organizers:* Elke Schoffers, Sherine Obare

##### **Per- & Polyfluoroalkyl Substances in the Environment: From Legacy To Emerging Contaminants**

*Symposium Organizers:* Krista Barzen-Hanson, Alix Robel, Christopher Olivares

##### **Polymer Degradation Processes in Environmental Systems**

*Symposium Organizers:* Kristopher McNeill, Michael Sander

##### **Science & the Perception of Climate Change**

*Symposium Organizers:* Elke Schoffers, Sherine Obare

##### **Transdisciplinary Approaches to Sustainable Solutions at the Food-Energy-Water Nexus**

*Symposium Organizers:* Jillian Goldfarb, Doug Kriner

##### **Uptake & Transformation of Contaminants of Emerging Concern In Plants**

*Symposium Organizers:* Gregory LeFevre, Jay Gan, Benny Chafetz

##### **When Chemistry Meets Biology: Novel Solutions for Emerging Challenges in Pollutant Control, Remediation, & Resource Recovery**

*Symposium Organizers:* Yujie Men, Shan Yi, Christopher Sales, Wei-Qin Zhuang, Xinwei Mao

#### **Honors/Awards**

##### **ACS Award for Creative Advances in Environmental Science & Technology**

*Symposium Organizer:* Sherine Obare

##### **Great Achievements in ES&T: James J. Morgan Environmental Science & Technology Early Career Award Symposium**

*Symposium Organizer:* David Sedlak

##### **Photocatalytic & Electrochemical Processes In Green Energy & Environmental Remediation: A symposium in honor of Professor Krishnan Rajeshwar**

*Symposium Organizers:* Virender Sharma, Dionysios D. Dionysiou, Csaba Janáky, Nianqiang (Nick) Wu

##### **Contributions of a Simple Chemist: How Professor Ronald Atlee Hites Changed Environmental Chemistry**

*Symposium Organizers:* Staci Simonich, Marta Venier, Elin Ulrich, Ed Furlong, Susan Glassmeyer

## **Education**

### **Environmental Chemistry Undergraduate Education in the Classroom, Laboratory, & Beyond**

*Symposium Organizers:* Lindsey Welch, Michael Berger

### **Research Experiences in Environmental Chemistry Projects for Undergraduate & Graduate Students**

*Symposium Organizers:* Mark Benvenuto, Elizabeth Roberts-Kirchhoff

### **Incorporating Sustainability into Graduate Education**

*Symposium Organizer:* Alexander Orlov

## **Nanotechnology**

### **Applications & Implications of Nanomaterials & Their Toxic Effects**

*Symposium Organizers:* Sushil Kanel, Maj Ryan O'Hara, Bruce Manning, Saber Hussain, Nadagouda Mallikarjuna

### **Nanotechnology at the Water-Agriculture-Energy Nexus**

*Symposium Organizers:* Yu Yang, Gregory V. Lowry, Jason White, Cristina Sabilov, Arturo A. Keller

## **Regulatory Advances**

### **True Positives in EPA'S Non-Targeted Analysis Collaborative Trial (ENTACT)**

*Symposium Organizers:* Elin Ulrich, Jon Sobus, Anthony Williams, Chris Grulke, Seth Newton

### **Electrochemical Water Treatment**

*Symposium Organizers:* Jens Blotevogel, Brian Chaplin, Charles Schaefer

## **Sustainability**

### **Abiotic & Biotic Pollutant Transformation in Soils**

*Symposium Organizers:* Hefa Cheng, Gang Chen

### **Accurate Mass/High Resolution Mass Spectrometry for Environmental Monitoring & Remediation**

*Symposium Organizers:* Tarun Anumol, Ruth Marfil-Vega, Tom Young, Christian Zwiener

### **Aquatic Photochemistry**

*Symposium Organizers:* Sarah Pati, Kristopher McNeill, William Arnold

### **Aqueous Contaminant Separation, Resource Recovery, & Clean Energy Generation by Electrochemical Processes**

*Symposium Organizers:* Douglas Call, Orlando Coronell, Marta Hatzell

### **Current Status of Environmental Research on Water Contaminants**

*Symposium Organizers:* Satinder Ahuja, B. Loganathan

### **Green Chemistry & the Environment**

*Symposium Organizers:* Rafael Luque, Sherine Obare

### **Innovative & Practical Approaches for the Treatment of Per- & Polyfluoroalkyl Substances (PFAS)**

*Symposium Organizers:* Jinyong Liu, Jong Kwon Choe, Yin Wang, Shubham Vyas